

**SYSTEM FOR DRIVING A ROTATABLE MACHINE**

**Abstract**

The rotatable machine (1) of the invention comprises a  
5 chamber (2) and a shaft (3), wherein the shaft (3) is mounted  
in the chamber (2) such that, upon rotation of the shaft (3) and  
the chamber (2), the shaft (3) and the chamber (2) each rotate  
about the same axis (4), and a first motor (20) for driving  
the chamber (2) and a second motor (30) for driving the shaft  
10 (3), each motor (20, 30) having an axis, wherein the axes of the first  
and second motors (20, 30) and the axis (4) of rotation of the  
chamber (2) and of the shaft (3) are coincident.